

CALIFORNIA ENERGY COMMISSION

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**Addendum 2****March 28, 2014****PON-13-506****Natural Gas Engine-Hybrid Electric Research and Development**

The purpose of this addendum is to update and clarify the following information in the Application Manual:

1. Page 8 – Under B. Eligible Projects, Section 1 Technologies and Benefits, “must demonstrate the following” category, remove “Meet CARB heavy-duty onboard diagnostics (OBD) requirements.”
2. Page 8 – Under B. Eligible Projects, Section 1 Technologies and Benefits, “must demonstrate the following” category, revise to read “Improvements in vehicle fuel efficiency when compared to conventional vehicles in the same application and same duty cycle. Proposals should include conventional vehicles as the baseline for validating improvements.”
3. Page 8 – Under B. Eligible Projects, Section 1 Technologies and Benefits, “must demonstrate the following” category, revise to read “Improved fuel efficiency at part-load operation.”
4. Page 9 – Under B. Eligible Projects, Section 1 Technologies and Benefits, “should also maximize benefits as follows” category, remove “Meet or exceed California Air Resources Board (CARB) heavy-duty on-road emission certification requirements for 2016.”
5. Page 9 – Under B. Eligible Projects, Section 1 Technologies and Benefits, “should also maximize benefits as follows” category, remove “Demonstrate ability to achieve emissions targets of: (1) 0.01 g/bhp-hr NO_x; (2) 0.01 g/bhp-hr PM; (3) 0.14 g/bhp-hr HC; and (4) 15.5 g/bhp-hr CO or lower, as determined by the heavy-duty engine FTP.”
6. Page 9 – Under B. Eligible Projects, Section 1 Technologies and Benefits, “should also maximize benefits as follows” category, add “Demonstrate progress towards the proposed emission reduction goal for base natural gas engines in a heavy-duty hybrid electric vehicle in urban California operation.”

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